

AMENDMENTS

IN THE SPECIFICAITON:

Please replace the paragraph beginning at page 7, line 13 with the following amended paragraph:

The negative electrode pair 304, 306 is connected to the power supply 302 and receives the negative voltage. As a result, the negative electrode pair 304, 306 is biased to a negative value. Additionally, the positive electrode pair 308, 310 is connected to the power supply 302 and receives the positive voltage, and thus is biased to a positive voltage. The electrodes (404 304, 306, 308, and 310) generate quadrupole electrostatic fields that selectively focus and defocus an ion beam that passes through the center point. As an example, positively charged ions in an ion beam are accelerated by the fields in the directions illustrated by the arrows 312, resulting in ion beam focusing in the Y direction and defocusing in the X direction. The amount of focusing/defocusing obtained is a function of the magnitude of the positive and negative voltages that bias the electrodes (404 304, 306, 308, and 310).

Please replace the paragraph beginning at page 9, line 25 with the following amended paragraph:

The negative electrode pair 704, 706 receives the negative voltage from the negative power supply 701 and is thus, biased negative. The variable potential electrode pair 708, 710 is either biased negative positive by the negative positive power supply 702 or biased to ground.